



Performance Data Sheet

HGA5467EXA

General Information

Model	HGA5467EXA	Refrigerant	R-22
Test Condition	ASHRAE	Performance Test Voltage	115V ~ 60HZ
Return Gas	18.3°C (65°F) RETURN GAS	Motor Type	PSC

Performance Information

Evap Temp (°F)	Condensing Temperature (°F)							
		80	90	100	110	120	130	140
-15	Btu/h	2250	2090					
	Watts	350	369					
	Amps	3.18	3.47					
	Lb/h	29.1	28.1					
-10	Btu/h	2620	2450	2280				
	Watts	355	378	401				
	Amps	3.23	3.55	3.81				
	Lb/h	33.6	32.6	31.8				
-5	Btu/h	3000	2820	2650	2470			
	Watts	359	385	412	438			
	Amps	3.27	3.61	3.91	4.16			
	Lb/h	38.2	37.3	36.6	35.7			
0	Btu/h	3400	3210	3030	2840	2630		
	Watts	363	392	422	453	482		
	Amps	3.29	3.67	3.99	4.28	4.54		
	Lb/h	43.1	42.2	41.5	40.7	39.4		
5	Btu/h	3830	3630	3440	3240	3010		
	Watts	366	397	431	466	500		
	Amps	3.32	3.71	4.06	4.39	4.69		
	Lb/h	48.2	47.4	46.7	45.9	44.7		
10	Btu/h	4300	4080	3870	3650	3420	3140	2830
	Watts	369	402	438	477	515	553	587
	Amps	3.34	3.74	4.12	4.48	4.82	5.14	5.46
	Lb/h	53.8	52.9	52.2	51.4	50.2	48.5	46.1
15	Btu/h	4810	4560	4330	4100	3840	3550	3220
	Watts	371	406	445	486	529	571	612
	Amps	3.36	3.77	4.17	4.55	4.93	5.30	5.67
	Lb/h	59.7	58.8	58.1	57.2	56.1	54.4	51.9
20	Btu/h	5360	5090	4830	4570	4290	3990	3630
	Watts	373	409	450	495	541	588	634
	Amps	3.38	3.80	4.21	4.62	5.02	5.43	5.85
	Lb/h	66.1	65.1	64.3	63.4	62.3	60.6	58.1

25	Btu/h	5960	5660	5370	5090	4780	4450	4070
	Watts	375	412	455	502	551	602	653
	Amps	3.40	3.83	4.25	4.67	5.11	5.55	6.02
	Lb/h	73.1	72.0	71.1	70.1	68.9	67.1	64.7
30	Btu/h	6620	6290	5970	5650	5310	4950	4550
	Watts	378	415	458	507	560	615	670
	Amps	3.43	3.86	4.29	4.72	5.18	5.66	6.16
	Lb/h	80.6	79.4	78.4	77.3	76.0	74.2	71.6
35	Btu/h	7340	6970	6610	6250	5890	5490	5060
	Watts	380	417	461	512	567	626	685
	Amps	3.48	3.89	4.32	4.77	5.24	5.75	6.29
	Lb/h	88.9	87.5	86.3	85.1	83.7	81.8	79.1
40	Btu/h	8130	7710	7320	6920	6510	6080	5610
	Watts	383	419	464	516	573	635	698
	Amps	3.53	3.93	4.36	4.81	5.30	5.83	6.40
	Lb/h	97.9	96.3	94.9	93.6	92.0	89.9	87.2
45	Btu/h	8990	8530	8080	7640	7190	6720	6210
	Watts	386	421	466	519	578	642	709
	Amps	3.59	3.98	4.40	4.86	5.36	5.90	6.50
	Lb/h	108	106	104	103	101	98.7	95.9
50	Btu/h	9930	9420	8920	8430	7940	7420	6870
	Watts	390	424	468	522	582	648	718
	Amps	3.68	4.05	4.46	4.91	5.41	5.97	6.59
	Lb/h	118	116	114	113	111	108	105
55	Btu/h	11000	10400	9840	9300	8750	8180	7580
	Watts	395	427	470	524	585	653	725
	Amps	3.78	4.13	4.52	4.96	5.47	6.03	6.67
	Lb/h	130	127	125	123	121	119	115

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	6.774783E+03	3.739797E+02	-1.996007E+00	8.000756E+01
C2	1.147558E+02	2.854992E+00	3.074223E-02	1.083557E+00
C3	-8.023476E+01	-4.691105E+00	9.853336E-02	-1.070440E+00
C4	1.233255E+00	5.455348E-02	5.852198E-04	1.035473E-02
C5	-5.150465E-01	-9.727828E-02	-9.886648E-04	-2.253678E-03
C6	6.644808E-01	7.756115E-02	-4.803952E-04	1.061602E-02
C7	7.278799E-03	1.717104E-04	3.241506E-06	8.315771E-05
C8	-8.143395E-03	-8.205619E-04	-8.688565E-06	-5.595175E-05
C9	1.540777E-03	8.739453E-04	8.344892E-06	1.538077E-05
C10	-2.363502E-03	-2.581049E-04	9.404465E-07	-3.760168E-05

$$\text{Value} = C1 + C2 * Te + C4 * Te^2 + C7 * Te^3 + (C3 + C5 * Te + C8 * Te^2) * Tc + (C6 + C9 * Te) * Tc^2 + C10 * Tc^3$$

Te = Evaporator Temperature

Tc = Condensing Temperature